

COMPOSITION FOR SUSTAINED RELEASE OF
NON-AGGREGATED ERYTHROPOIETIN

ABSTRACT OF THE DISCLOSURE

5 A composition, and methods of forming and using said composition, for the sustained release of non-aggregated, biologically active, erythropoietin (EPO). The sustained release composition of this invention comprises a polymeric matrix of a biocompatible polymer and particles of biologically active, aggregation-stabilized EPO, wherein said particles are dispersed within the biocompatible polymer.

10 The method of the invention for producing a composition for the sustained release of biologically active EPO includes dissolving a biocompatible polymer in a polymer solvent to form a polymer solution, dispersing particles of biologically active, aggregation-stabilized EPO in the polymer solution, and then solidifying the polymer to form a polymeric matrix containing a dispersion of said EPO particles.

15 The method for using a composition of the invention is a method for providing a therapeutically effective blood level of biologically active, non-aggregated erythropoietin in a subject for a sustained period. In this method, a subject is administered an effective dose of the sustained release composition of the present invention.